

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Syed Abbas *et al.*
APPLICATION NO.: 09/963,351
FILING DATE: September 25, 2001
TITLE: ROBUST SIGNALING TECHNIQUES IN MULTICARRIER SYSTEMS
EXAMINER: UNASSIGNED
GROUP ART UNIT: 2681
ATTY. DKT. NO.: 21676-05433 (CT-53)



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Dated: February 6, 2002

By:

Neil F. Maloney, Reg. No. 42,833

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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;



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PTO/SB/21 (modified)
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TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>	0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/963,351
			Filing Date	September 25, 2001
			First Named Inventor	Syed Abbas et al.
			Group Art Unit Number	2681
			Examiner Name	UNASSIGNED
Total Number of Pages in This Submission	6*	Attorney Docket Number	21676-05433 (CT-53)	

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REMARKS: * references not included in page count

SIGNATURE OF ATTORNEY OR AGENT			
Signature:			
Attorney/Reg. No.:	Neil F. Maloney, Reg. No. 42,833	Dated:	February 6, 2002

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Typed or Printed Name:	Neil F. Maloney	Dated:	February 6, 2002
Express Mail Mailing Number (optional):			

- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this

certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant request that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. [APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,

SYED ABBAS *et al.*

Dated: February 6, 2002

By: 
Neil F. Maloney, Reg. No. 42,833

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Attorney's Docket No.

21676-05433

Application No. _____

09/963,351

Applicant

Syed Abbas *et al.*

Filing Date

September 25, 2001

Group Art Unit

2681

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	C1	ITU Telecommunication Standardization Sector Recommendation G.lite-bis, "Series G: Transmission Systems and Media, Digital Systems and Networks," 112 pp., December 2001
	C2	ITU Telecommunication Standardization Sector Recommendation G.992.1, "Asymmetrical Digital Subscriber Line (ADSL) Transceivers," 264 pp., July 1999
	C3	ITU Telecommunication Standardization Sector Recommendation G.992.2, "Splitterless Asymmetric Digital Subscriber Line (ADSL) Transceivers," 185 pp., March 1999

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.